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REPORT NO. 7

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William Tiper and Ploressing Jest Results

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Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 November 21, 1975

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. 1/ These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

Summary of Cotton Fiber and Processing Test Results, Crop of 1974, USDA, AMS, Cotton Division, May 1975.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1975

Discussion of Test Results

The average fiber length of short staple cottons tested from the Southwest through November 14 is considerably longer than a year ago, according to the Cotton Division, Agricultural Marketing Service, USDA. The mike is higher on the average and cottons are stronger than a year earlier. Both Shirley Analyzer nonlint content and picker and card waste are lower. Yarns spun from these samples show stronger yarn strength and higher appearance grades. Yarn imperfections are fewer than a year ago. Average spinning potential yarn number is higher.

Average results for all medium staple samples tested to date show fiber properties to be about the same as a year ago. Picker and card waste is lower. Yarns spun from these samples show higher yarn imperfections. The average spinning potential yarn number is lower than last season.

Medium staple samples tested from the Southeast show fibers to be shorter and stronger at zero gage strength tests. Shirley Analyzer nonlint content is higher. Yarns spun from these samples show yarn skein strength to be slightly weaker with lower yarn appearance grades. Yarn imperfections are higher than a year ago. Average spinning potential yarn number is lower than last season.

Medium staple samples tested from the south central states to date, show coarser fibers than a year ago. Picker and card waste is lower. Yarns spun from these samples show yarn imperfections higher than a year ago. The average spinning potential number is lower.

Southwestern medium staples tested show weaker fiber strength at zero gage tests. Picker and card waste is considerably lower than a year ago. Yarns spun from these samples show stronger yarn strength with higher appearance grades. Yarn imperfections are higher this season.

Medium staple samples tested from the western area show cottons to be finer and stronger than a year ago. Picker and card waste is lower. Yarns spun from these samples are stronger. Appearance grades are lower and imperfections are higher than at this time a year ago.

The average results for all long staple samples tested show fibers to be shorter and stronger at zero gage tests than a year ago. Picker and card waste is higher as is comber waste. Both carded and combed yarns are weaker than in the previous season. Appearance grades are higher for both carded and combed yarns. The average spinning potential number is lower.

Long staple samples tested from the southeastern states show fibers to be shorter, less uniform and considerably stronger at zero gage stength tests. Picker and card waste is higher. Both carded and combed yarns spun from these samples are weaker than a year earlier. Carded yarn appearance grades are higher. Both carded and combed yarn imperfection counts are higher than a year ago. The average spinning potential yarn number is lower.

South central states long staple samples tested show shorter, finer and stronger fibers at zero gage strength tests. Picker and card waste is higher. Yarns spun from these samples show both carded and combed strength to be stronger with higher appearance grades.

Long staple samples from the western area are longer and stronger than in the comparable period a year ago. Shirley Analyzer nonlint content is lower. Both carded and combed yarn strength tests are stronger and appearance grades are higher than a year ago. Yarn imperfections for both carded and combed yarns are higher. The average spinning potential yarn number is lower.

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Averages of fiber and processing tests from selected gin points in the United States through November 14, 1975

Table 1.--Cotton:

Processing test results	Yarn quality	Skein Appear- str. ance	Lbs. Index No.	85 98 103 118	10 2 107 98 96	105 104 101	99 92 103 99	119 10 2 127 90	106 102 106 98	4(22s) 5
		SA F&C nonlint waste	Pct. Pct.	3.5 7.0	3.0 6.0 4.3 5.9	3.0 6.2 3.0 5.1	2.9 6.0	2.2 2.2 4.5	2.8 6.0 3.1 5.1	5 0.5
	4.	1/8" S A gage nonli	G/tex Pc	PO 83	25 25 4	23 23 3	55 55 55	25 27 27	23 23 3	1 0.5
results	Fiber	Zero gage	Mpsi	87 89	8 2 84	84 85	84 81	91	8 8 5 5	a
Fiber test	Mike fine-		Rdg.	†** †** †**	4.4	44	44	44	m. 4.	0.0
Fil	Fibrograph	50/2.5 unif.	Pct.	44 45	4 4 5 5	5†1 †††	5†1 ††1	9 [†]	45	α
	Fibr	2.5% span	Inches	.94	1.10	1.11	1.07	1.11	1.10	0.02
	Lots	tested	N	12	24 17	64	30	2 5	143	
	Staple group Area, and	Crop year		Short Staple: Southwest 1974 1975	Medium Staple: Southeast 1974 1975	South Central 1974 1975	Southwest 1974 1975	West 1974 1975	U.S. Average 1974 1975	Significant dif- ference 2/

Based on a limited number of samples of modal quality Minimum differences considered to be significant for comparisons in this table.

Averages of fiber and processing tests from selected gin points in the United States through November 14, 1975 1/ (Continued)

Table 1. -- Cotton:

,		ı							
	SPY	No.		68	†9	91 84	72 63	m	
	comb	No.		8 21	8	7	7	a	
	Imprfetns card comb	No.	1	17	17	17 21	17	2	
Results	rn Quality Appearance carded combed	Lbs. Indx Indx Carded & Combed Yarn		115	118	107	114	<i>I</i> V	
Test	Yarn Quality Appearan d carded com	Indx		103	102	97	102	7.	
Processing Test Results	Ya	Lbs. s Carde		124 118	12 ⁴	149 159	130	4(22s) 2(50s)	
Pro	Strength	Lbs. I		106	104	130	111	h (22s)	
	Comber Waste	Pct.		17.1	18.2 1 7. 8	15.7	17.1	0.5	
	P&C Waste	Pct.		8 0.0	8.0 7.0	7.2	8.1	0.5	11+11
	SA Non-	Pct.		3.0	3.3	9.0	3. 3.	0.5	יוים בפיטיש
v	ngth 1/8" gage	G/tx		88	88	25	88	٦,	ن ي
Results	Strength Zero 1/8 gage gag	Mpsi		81 85	88	88	88 88	α	2014
Test F	(0)	Rdg.		4.2	4.3	w w & o	4.1 1.1	0.0	of Com
Fiber	ch Unif	Pct.		† † † † † † † † † † † † † † † † † † †	44	45	44	α	hon
[Z.	Length Span U	u]		1.16	1.15	1.16	1.16	0.02	אנות הס+
	Lots	No.		99	t t	m 01	13		ישיר ר
	Staple group, Area, and Crop year		Long Staple:	Southeast 1974 1975	South Central	West 1974 1975	U.S. Average 1974 1975	Significant Difference 2/	"Bacod on a limited "

 $[\]frac{1}{2}$ Based on a limited number of samples of modal quality Minimum differences considered to be significant for comparisons in this table.

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1975

	Spin.	tial	No		0 4	94
	Imprfect'ns Spin.		No		•	10
Yarns	Impri	8s on 74 tx	<u>N</u>		18	120 23
Processing Test Results - Carded Yarns	Appearance Index	8s or 22sor 8s or 22s or 8s or 22sor 8s or 22sor 7t tx 27 tx 7t tx 27 tx 7t tx 27 tx 7t tx 27 tx 7t tx 27 tx	N N		120 18	
ults -	Appearar Index	8s or 74 tx	N		130	130
Pest Res	Elongation	22s or 27 tx	Pct Pct		6.1	0.9
ssing	Elong	8s or 74 tx			100 PERCENT 344 96 7.5	99 PERCENT 363 107 6.6
Proce	gth	22s or 27 tx	Lbs		100 PERCENT	99 PERCENT
	Strength	8s or 74 tx	Lbs		100	363
	Color Raw Stock P & C	Waste	Pet		5.7	5.4
	Color w Stock	lint Gra Yel	⊗		4	4
		Gra	8		7	-
	S.A. Non-	lint	Pet		2.7 1	2.5
lts	Elon- S.A. gat'n Non-	1/8"	Pet		611	LX571 6.3 2.5 1
Fiber Test Results	Fiber rength	1/8" Gage	G/tex		LANKART 611 22 7.6	LANKART LX571 23 6.3
Fiber	Fiber Strength	Zero Gage	Mpsi		8 5	16
	Mike		Rdg		4.2	4.2
	ital graph	Unif	Pet		45	44
	Digital Fibrograph	2.5% span	a		31 31 0.95	31 32 1.02
		Stple	32s	EA	31 (32
ea,	ìr.		(1)	AREA	31	31
Production Area, Classification	& Sample Number	No Grade Name & Code		SOUTHWEST	CENTRAL TEXAS BRANDON 3 MID	WAXAHACHIE 3 MID

1975	
ot	
crop	
areas,	
by production	
characteristics	
Quality	
medium staple:	
upland	
American	
Cotton,	
Table 3	

	ı			1						,							
		Spin.	Poten- tial	ଥ		64	9	41	64	54	99	59	44	53	51	58	53
		ect'ns	s or 50s or tx 12 tx	<u></u> ⊗		25	20	21	26	33	25	11	26	11	Q.	19	13
rns		Imprfect'ns	22s or 27 tx	SI		28	22	26	37	4 4 5 5	32	12	31	18	13	21	17
Carded Yarns		nce	50s or			70	9	9	70	09	9	80	09	90	06	0,	80
1		Appearance Index	22s or 5	.01		100	06	80	06	90	80	110	06	120	120	06	100
Resul	-		50s or 2			3.8	4.5	3.9	3.4	3.8	4.4	4.1	33.8	3.7	м ф	3 • 8	3.9
Processing Test Results		Elongation	22s or 27 tx	141		PERCENT 26 6.0	PERCENT	PERCENT 26 5.4	PERCENT 28 5.1	PERCENT 30 4.9 29 5.6	PERCENT 39 5.9	PERCENT 35 6.4	PERCENT 28 5.4 28 5.6	PERCENT 30 5.3	PERCENT 28 5.4	PERCENT 33 5.6	PERCENT 29 5.5
Proces		Strength	50s or			99 PER(26			82 PER(85 PER(30 29		75 PER(35	98 PER(28 28			85 PER(9C PER
-		Stre	22s or 27 tx			946	100	100	94	91 96	100	110	89	100	100	103	66
		P & C	Waste	Pet		4.3	5.0	4.9	7.1	6.9	5.3	4.5	8.1	7.2	5.9	6.4	4.1
	T	or tock	Yel	일		en .	ю	4	ю	m m	4	8	m m	ю	4	m	m
		Color Raw Stock	Gra	읽		2	2	m	4	4 m	m	7	m m	4	m	2	-
			Non- Lint	Pet		2.8	3.3	3.8	4.5	4.3	3.6	2.3	4.0 v.v.	5.4	w 4	2.0	1 • 8
ts		Elon-	gat'n 1/8"	Pet		TLLE 213	INE 16	TLLE 603	INE 16 6.4	201 5.9 6.6	417	KING II	201 6.7 6.9	KING II	201	612	201
Fiber Test Results			1/8" Gage	G/tex		STONEVILLE 22 7.5	DELTAPINE 16 22 7.6	STONE VILLE	DELTAPINE 23 6.	COKER 24 23	COKER 24	DIXIE 1	COKER 21 22	DIXIE 1	COKER 23	MCNAIR 23	COKER 23
iber Te		Fibe Streng	Zero	Mpsi		-62	80	83	82	88 83	91	87	81	86	80	85	98
P4			Mike	Rdg		4.2	4.1	9.8	4.4	4.6	4.0	3.7	4.4	4.2	4.6	4.7	4.5
		al raph	Unif.	Pet		45	4 4	41	45	4 4	45	45	4 4	46	8	45	4.7
		Digital Fibrograph	2.5% span	디		1.02	1.08	1.02	1.09	1.10	1.11	1.05	1.07	1.03	1.06	1-10	1.09
			Stple	32s	AREA	33	34	33	34	34	35	34	34	34	35	34	35
ea,	uoı	ır			A	41	41	E 41	51	51	51	41	51	52	41	31	31
Production Area,	Classification	Sample Number	O Grade Name & Code		SOUTHEAST	ALABAMA GREENBRIER 2 SLM	HUNTSVILLE I SLM	MERIDIANVILLE 1 SLM 4	MONTGOMERY 1 LM	MOUNDVILLE 1 LM 2 LM	PRATTVILLE 1 LM	SCOTTSBORO 1 SLM	GEORGIA ALLENTOWN 1 LM 2 LM	BOSTWICK 1 LM LT SP	NORTH CAROLINA SHELBY I SLM	SCUTH CAROLINA MANNING 1 MID	MAYESVILLE 2 MID
1			No		S	٩		,					9		Z	S	

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

Tarns Tarns Tarns Lags or 50s or tial Lags or 50s or tial No No No 19 13 66 25 15 56 20 18 60 21 12 54 21 12 54 9 10 61 17 15 50 20 14 53 25 19 67	90 14 9 67
112 tx No No No 113 113 113 115 115 115 115 115 115 115	14
arns Impré 22s or 27 tx No No 11 11 11 21 21 22 20 20 20 20 20	0 0
	6 6
	90
Elongation Elongation Elongation 2s or 50s or 7t x 12 tx 1t tx 12 tx NI bct 6.6 5.3 NI 6.0 4.0 NI 6.0 NI 6.0 NI 6.0 NI 7.0	4 N
	PERCENT 40 7.0 PERCENT 40 6.5
Peroce of the pe	PER 40 40 40
Strength Strength 100 Percent 100 Per	100 1 100 1 100 1 114
P & C Waste Waste 5.5 5.5 5.0 5.0 5.0 5.1 5.1 5.1 5.1 5.1 5.1 5.1	4 4 4
Color Raw Stock Gra Yel. No No No 1 3 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2	м 2
Co Gra No No 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
8.A. Non-Lint Fet Fet 2.6 2.9 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	2.0
2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3	INE 16 7.6 10 10 10 10
Fiber Elon- rength Elon- 1/8" gat'n 23 G/tex Pct 23 G/tex 23 G/tex 23 G/tex 24 G/tex 25 G/tex 26 G/tex 27 G/tex 28 G/tex 29 G/tex 20 G/tex 20 G/tex 21 G/tex 22 G/tex 23 G/tex 24 G/tex 25 G/tex 26 G/tex 27 G/tex 28 G/tex 29 G/tex 20 G/tex 20 G/tex 21 G/tex 22 G/tex 23 G/tex 30 G/tex 31 G/tex 32 G/tex 33 G/tex 34 G/tex 35 G/tex 37 G/tex 37 G/tex 38 G/tex 38 G/tex 39 G/tex 30 G/tex 40 G/tex 40 G/tex 50 G/tex	DELTAPINE 16 25 7.6 DELTAPINE 16 24 7.6
Fiber Test Fiber Test Strength Gage Gage Gage Gage B8 2 27 STG B8 2 27 B8 2	82 82
Mike High 4.7 4.7 4.9 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.8	4 4 4 N
A 43 43 45 45 45 45 45 45 45 45 45 45 45 45 45	24 4 72 72
Digital Fibrograph 2.5% Unispan Span In Pet 1.14 46 1.12 46 1.11 43 1.11 43 1.09 44 1.10 45 1.10 45 1.13 45	1.14
35 35 35 35 35 35 35 35 35 35 35 35 35 3	35
	31
Production Area, Classification Sample Number Roade No Grade SOUTH CENTRAL A ARKANSAS ALTHEIMER 2 SLM 41 DUMAS 2 SLM 41 HUGHES 2 SLM 41 LEACHVILLE 3 SLM 41 LEACHVILLE 3 SLM 41 COSCEOLA 3 SLM 41 OSCEOLA 3 SLM 41 OSCEOLA 3 SLM 41 SLM 41 SLM 41 SLM 41	LOUISIANA SHREVEPORT I MID MISSISSIPPI ARCOLA I MID

775(Continued)
of 19
crop
areas,
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s by
characteristic
Quality
staple:
medium
upland
American
3Cotton,
Table

	1						- 9	-								
	1 "	tial No	09	57	59	19	70	65	52	53	63	53	61	59	53	55
	Imprfectins	No No	18	16	6	17	13	17	12	11	11	15	12	17 20	17	19
Yarns	Impri	27 tx	19	24	14	24	21	21	15	15	15	17	13	23	20	28
Carded	ance x	No Lx	80	80	96	80	06	10	06	80	90	80	06	80	80	80
Results - C	Appearance Index		100	100	110	100	06	06	100	100	110	100	110	110	110	100
Test Res		Pet Pet	4.4	4.2	4.6	5.0	5.1	6.4	0.4	3.6	4.7	3.8	9.6	4 4	4.3	4.1
Processing 1		27 t Pet	PERCENT 35 6.4	PERCENT 35 5.9	PERCENT 35 5.9	PERCENT 39 6.8	PERCENT	PERCENT	PERCENT 33 6.1	PERCENT 31 5.6	PERCENT 36 6.0	PERCENT 29 6.0	PERCENT 33 5.4	PERCENT 33 6.1 32 6.3	PERCENT 30 6.3	PERCENT 33 6.2
Proc	rength	Lbs	PER 35	PER 35					PER 33	PER 31						
	St	27 tx Lbs	100	100	85	100	119	100	100	100	106	96	99	75 101 104	101	103
	P&C Waste	Pet	4.8	4.	3.7	5.4	5.3	5.5	5.2	4.5	5.0	5 • 8	4.2	5.6	5.1	6.3
	Color w Stock	No	6	Э	8	2	m	2	3	9	7	۳	9	m m	9	9
	Co	Sra N	-	7	8	-	-	-	2	-	~	6	2	2 2	2	2
	S.A. Non-	Pct	3.2	4.5	2.4	2.8	3.5	2.6	3.1	۲٠	3.2	3.9	1.9	3.7	2.9	4.5
	- u =		213	213			45A	16	213	213	9	213		503		
lts	Elon- gat'n	Pct	11.LE 7.4	ILLE :	INE 16	T.5	INE 7	INE 1	LLE S	11E 3		ILLE :	KING 5	11LE (7.5	7.1	SMOOTHLEAF 6.2
Test Results	ber ngth 1/8"	Gage G/tex	STONEVILLE 22 7.4	STONE VI 23	DELTAPINE 23 7	DELTAPINE 23 7	DELTAPINE 24 7	DEL TAP INE 24 T	STONEVILLE 23 6.1	STONEVILLE 21 5.	DELTAPINE 23 7	STONEVILLE 22 6.	DIXIE 1 21	STONEVILLE 22 7.5 21 7.5	HANCOCK 22	REX SMC 22
Fiber T	Fiber Strengt Zero	Gage	81	88	85	83	84	82	87	86	4	78	82	83	81	84
	Mike	Rdg	4.3	4.5	4.5	4.3	4.4	4.4	4.7	9.	4.6	4.4	6. 3	3.9	4.1	4.0
	al rraph	Pet	45	45	9	44	48	43	45	45	44	45	45	4 4 4 5	45	45
,	1 1	span In	1.04	1.12	1.12	1.17	1.12	1.14	11.11	1.11	1.13	1.08	1.02	1.06	1.03	1.12
	0 t t	32s	d)	35	35	36	35	35	35	35	35	35	35	44	34	35
rea, ion			tinue	51	41	41	_	41	14	31	41	51	14	14	41	51
Production Area, Classification	Sample Number Grade	Name & Code	I(Cont	,	,	BURN	DNVILLI	4		ITY	•		ROVE	, ,		
Produ	Samp		MISSISSIPPI(Continued) COMO 2 SLM 41 34	LYON	MACON 1 SLM	PANTHER 2 SLM	ROBINSONVILLE 1 SLM 4	SCOTT 2 SLM	TRIBBETT 2 SLM	MISSOURI BELL CI 2 MID	COOTER 2 SLM	ESSEX 2 LM	TENNESSEE CEDAR GROVE 1 SLM	ELORA 1 SLM 2 SLM	FLINTVILLE 2 SLM	MILLINGTON 1 LM

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

	Spin.	Poten- tial	일		20	75	65	19	70	7.8	79	72	11
	Imprfect'ns	50s or	읽		12	14	16	16	14	16	11	25	13
ırns	Imprfe	22s or 50s c	<u></u>		14	19	22	23	18	21	14	34	21
- Carded Yarns	nnce	50s or			06	900	10	20	70	80	06	10	02
	Appearance Index	22s or	01		90	100	06	06	100	06	110	06	80
Test Results	tion	50s or 12 tx	1		3.8	4.5	9.4	8.	4.5	8.	4.5	4.5	4.5
Processing Te	Strength Elongation	22s or 50s or 22s or 27 tx	Lbs Pct		100 PERCENT 103 34 5.4	100 PERCENT 127 47 6.1 127 45 6.1	100 PERCENT 130 43 6.0	90 PERCENT 129 47 5.8	100 PERCENT 124 46 6.1	100 PERCENT 124 49 5.8	96 PERCENT 137 50 6.1	85 PERCENT 135 50 5.4	100 PERCENT 128 46 5.8
	P & C	Waste	Pet		4.	7°57	4.6	4.9	9.4	5.2	4.2	4.5	4.2
	Color Raw Stock	Yel	શ		6	e 8	ю	9	2	9	9	2	m
		Gra	શ		0	0 1	2	1	0	1	-	-	1
	S.A.	Non- Lint	Pet		1.6	2.2	2.6	3.2	2.1	2.4	1.5	2.6	2.1
Lts	Elon-	gat'n 1/8"	Pct		INE 61 6.4	5.5 5.9 6.6	5.3-2	SJ-2 6.5	5.1-3	53-2	SJ-2 6.1	5.8	5.1-2 6.1
st Results	e r gth	1/8" Gage	G/tex		DELTAPINE 61 25 6.4	ACALA 27 27 27	ACALA 26	ACALA 29	ACALA 27	ACALA 27	ACALA 27	ACALA 27	ACALA 27
Fiber Test	Fiber	Zero	Mpsi		92	95	92	96	96	96	95	16	92
14		Mike	Rdg		5.2	4.5	4.1	3.7	4.4	3.9	9.4	4.0	4.1
	al	Unif.	Pct		4.5	94 4	44	4	9	47	47	94	47
	Digital Fibrograph	1	티		11.11	1.15	1.11	1.07	1.06	1.15	1,13	1.13	1.15
		Stple	32s	AREA	35	36	35	36	35	36	35	35	36
Area,	er	П		AF	31	40	41	4 1	31	41	31	41	31
Production Area, Classification	& Sample Number	No Grade Name & Code		WEST	ARIZONA BUCKEYE 1 MID	CALIFORNIA ARVIN I SLM PLUS 2 SLM	BAKERSFIELD 2 SLM	CORCORAN 1 SLM	LOST HILLS 1 MID	SHAFTER 2 SLM	STRATFORD 1 MID	STRATHMORE 1 SLM	WASCO 2 MID

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Production Area, Production	1	i	: -											
Production Area, Production		Spi	tia	N N		56	20	20	51	56		69	09	51
Production Area, Production		t'ns	50s or 12 tx	임		24	11	20	16	13		20	18	0 K
Production Area Production	rns	mprfec	22s or 27 tx	8		40	12	24	21 8	4 6		23	24	
Production Area, Color C	rded Ya			No		70	70	80	100	06		70 100	900	100
Production Acea, Colored State Production Acea, Colored State	1	Appeara Index	22s or 5	N N		100	110	000	110	120		90	110	130
Production Area Production Pr	t Resul	ion		Pet		4.3	3.5	8 6	6.4 8.7	4.5		4.1	7.07	3.6
Production Area Production Pr	ing Tes	Elongat	2s or 5	Pet		5.3 6.2	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	5.1	NT 4.7			5.5 5.5	NT 5.3	4°9 0°9
Production Area Production Pr	rocess	4g		Lbs			PERCE 27	7 0 4 7 0 4						37
Production Area, Classification Classification Classification Classification Classification Classification Classification Sample Number Fibregraph Strength Grade Grade Strength Grade		Strengt	× or	Lbs		100 91 118	98	94	100 85 112	100 95 120		100 119 141	90 103 122	88 110
Production Area, Prograph Programm Prograph Programm Pro		P & C		Pct		7.6	10.4	10.8	10.2 18.6	10.5		9.6	9.7	9.5
Production Area, Production		1	Yel	8		4 *	4	- 46	*	*		~ *	*	#
Production Area, Classification Production Area, Classification Digital Sample Number Pribrograph Priber Priber Elon- Sample Number Pribrograph Priber Elon- Strength Elon- E		Col.	Gra	8		m	М	ю	m	М		~	m	~
Production Area, Suple Digital Strength Strength		S.A.	Lint	Pet		3.2	3.9	4.6	4t 80	•		3.9	4.2	3.1
Production Area, Production Area Prograph Prograph Production Indicated Production I	ts	Elon-	1/8"	Pct		310 7.2		6.5	310 6.7	6.0				7.8
Production Area, Digital Sample Number Ribrograph Sample Number Supe 2.5% Unif. Mike Span Span Lograph Mike Span Lograph Mike Span Lograph Mike Stple St	st Resul	er	1/8"	G/tex				23						21
Production Area, Digital Sample Number Ribrograph Sample Number Supe 2.5% Unif. Mike Span Span Lograph Mike Span Lograph Mike Span Lograph Mike Stple St	ber Tes	Fib	Sero	(psi				85	98	8 5				82
Production Area, Classification Cl	Fi			1		3.6	4.2	4.1	٠. ر.	0.4		3.7	4.3	4.3
Production Area, Digita			if.	-						43				
Production Area, Classification & Sample Number Orade Stple Name & Code Stple Stm Strange Stple Orade Strange Orade Strange		Digita	2.5%	- - -		•10	•10	•00	80.			.17	.10	• 00
Production Area, Classification & Sample Number Grade Name & Code Name & Code Name & Code LM & S1 CRALDINE SLM LT SP 42 CRRVILLE LM ET SP 42 CRRVILLE LM ET SP 42 CRRVILLE LM ET SP 42 CRRVILLE SLM LT SP 42 CRRTA ADDISON SLM LT SP 42 CRRTA ADDISON SLM LT SP 51 LM ED SEE TRENTON SLM 41 SLM 41 SLM 51 SLM 51 SLM 51 SLM 64 A11 SLM 64 SLM 64 A11 SLM 64 A11	-	Ē	_	1	⋖						⋖			
	6.0	=	Sti	35	ARE						ARE			
	Are	mber	ode			۵	7	r.		I NA	A L	DR AN	ľ	4
	Production	Sample Nu			SOUTHEAST	ALABAMA GERALDINE 1 SLM LT SI	ORRVILLE 1 LM	2 LM	N F	SOUTH CAROL HARTSVILL 2 SLM	SOUTH CENTRA	MISSISSIPPI LAKE CORMO 2 LM PLUS	TENNESSEE TRENTON	2 SLM

* Comber Waste and Combed Yarn Data

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1975--(Continued)

	Spin. Poten-	tial	No 		06	11
			요		19	12
arns	Imprfect'ns	22s or 27 tx	왕		25	17
arded Y	ance x	50s or 12 tx	용		70	90
lts - C	Appearance Index	22s or 27 tx	8		90	120
Processing Test Results - Carded Yarns	tion	Gra Yel Comber 22s or 50s or 50s or 22s or 2	Pct		5.0	9.4
ing Te	Elongation	22s or 9	Pct		NT 6.0 6.2	5.7 5.9
Process	th	50s or 2	Lbs		97 PERCENT 3 54 6. 2 62 6.	PERCI 49 60
	Strength	22s or 27 tx	Lbs		97 143 162	80 134 156
	P&C and	Comber	Pet		6.9	8.3½/ 134 15.9 156
	r tock	Yel (No		2 6.9 * 15.3	m #
	Color Raw Stock	Gra	No N		0	-
			Pct		2.0	1.9
ts	Elon- S.A.	1/8"	Pet		1517-V 6.4	ACALA 1517-70 25 5.7 1.9
Fiber Test Results	Fiber Strength	1/8" Gage	G/tex		ACALA 1517-V 28 6.4	ACALA 25
iber T	Fi	Zero Gage	Mpsi		96	100
H		Mike	Rdg		3.8	4.0
	a.l aph	Unif.	Pct		94	46
	Digital Fibrograph	Stple 2.5% span	티		31 37 1.20	31 36 1•15
		tple	32s	AREA	37	36
rea,	er			AF	31	31
Production Area, Classification	& Sample Number	No Grade Name & Code		WEST	NEW MEXICO ARTESIA 1 MID	ARTESIA 1 MID

1/ Cotton stuck to processing rolls
* Comber Waste and Combed Yarn Data